

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022220\
 Data File : BN009829.D
 Acq On : 22 Feb 2020 04:39
 Operator : CG/JU
 Sample : L1535-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 22 05:46:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 21 22:14:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	112490	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.14	136	477054	20.00	ng/ul	-0.02
36) Acenaphthene-d10	14.03	164	304640	20.00	ng/ul	-0.02
62) Phenanthrene-d10	16.79	188	644532	20.00	ng/ul	-0.02
78) Chrysene-d12	21.00	240	587152	20.00	ng/ul	-0.02
86) Perylene-d12	23.10	264	649156	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.04	96	3461	1.27	ng/uL	-0.01
5) Phenol-d5	6.60	99	60156	6.29	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	6.75	67	49593	7.51	ng/ul	-0.02
9) 2-Chlorophenol-d4	6.93	132	50548	7.02	ng/ul	-0.02
13) 4-Methylphenol-d8	8.11	113	41787	5.49	ng/ul	-0.02
19) Nitrobenzene-d5	8.55	128	24488	7.02	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.25	143	24169	6.33	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	9.79	165	43341	5.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	58459	7.09	ng/ul	-0.01
44) Dimethylphthalate-d6	13.46	166	179001	7.87	ng/ul	-0.01
47) Acenaphthylene-d8	13.72	160	194309	7.25	ng/ul	-0.02
52) 4-Nitrophenol-d4	14.30	143	10327	2.48	ng/ul	0.00
58) Fluorene-d10	15.04	176	151750	7.72	ng/ul	-0.02
63) 4,6-Dinitro-2-methylphenol	15.20	200	13968	3.49	ng/ul	0.00
71) Anthracene-d10	16.89	188	224057	7.58	ng/ul	-0.02
79) Pyrene-d10	19.19	212	271088	8.83	ng/ul	-0.02
90) Benzo(a)pyrene-d12	22.97	264	266113	8.21	ng/ul	-0.03

Target Compounds

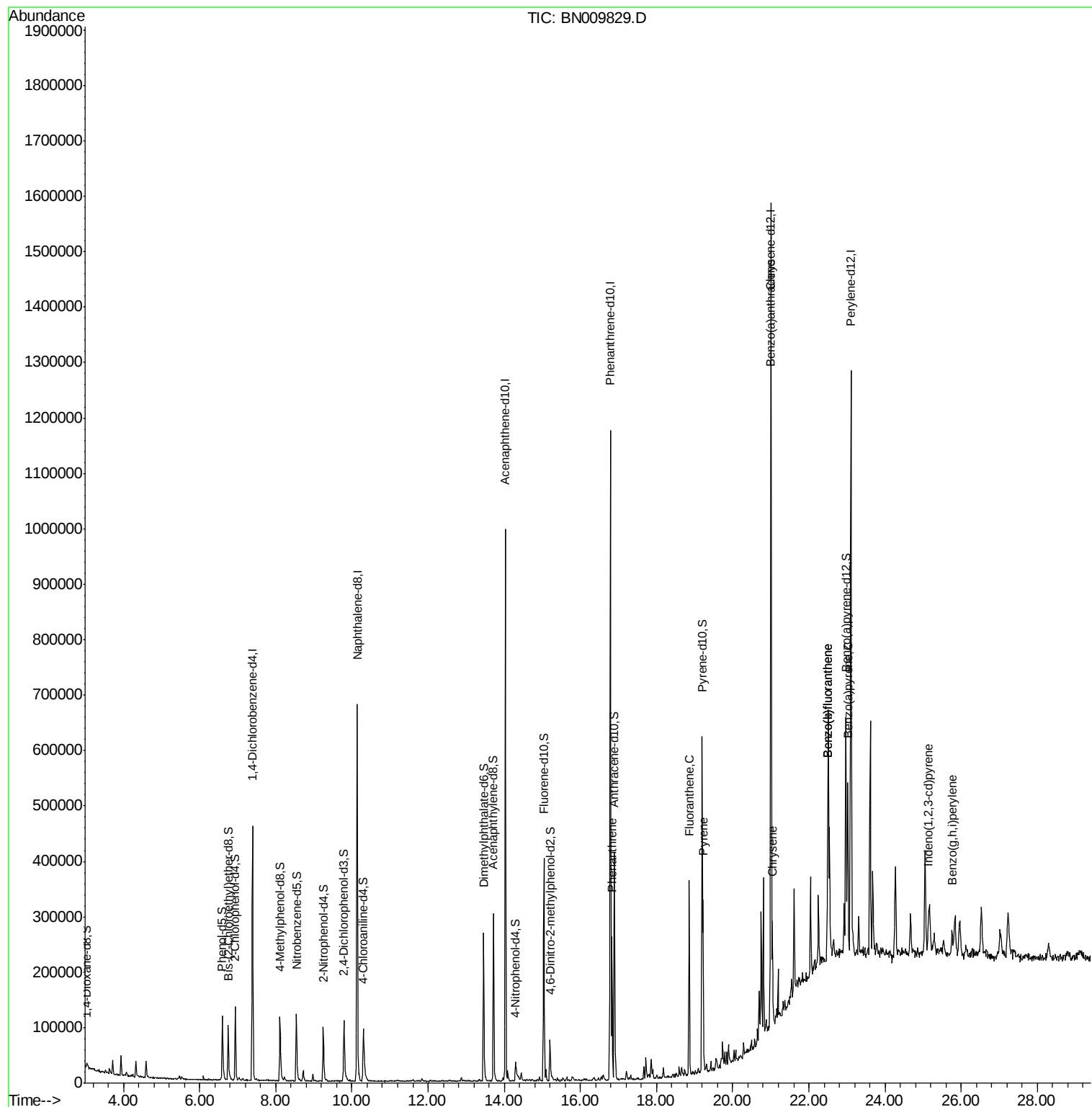
					Ovalue
70) Phenanthrene	16.83	178	136142	3.701	ng/ul 98
77) Fluoranthene	18.86	202	193706	4.496	ng/ul 99
80) Pyrene	19.22	202	170668	4.032	ng/ul 99
83) Benzo(a)anthracene	20.99	228	89579	2.220	ng/ul 96
85) Chrysene	21.04	228	96510	2.430	ng/ul 97
88) Benzo(b)fluoranthene	22.49	252	122751	2.916	ng/ul 93
89) Benzo(k)fluoranthene	22.49	252	122751	3.080	ng/ul 95
91) Benzo(a)pyrene	23.02	252	77576	2.049	ng/ul# 97
92) Indeno(1,2,3-cd)pyrene	25.14	276	54491	1.212	ng/ul 93
94) Benzo(g,h,i)perylene	25.76	276	47304	1.255	ng/ul 92

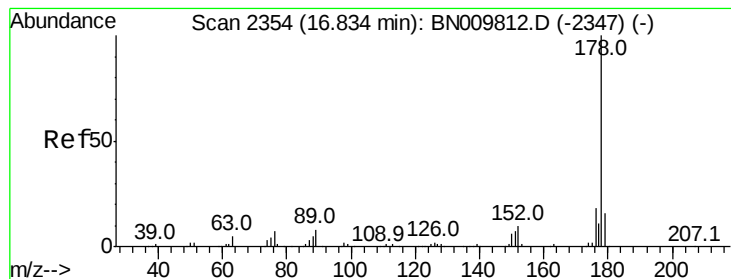
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#70

Phenanthrene

Concen: 3.701 ng/ul

RT: 16.83 min Scan# 2353

Delta R.T. -0.02 min

Lab File: BN009829.D

Acq: 22 Feb 2020 04:39

Instrument :

BNA_N

ClientSampleId :

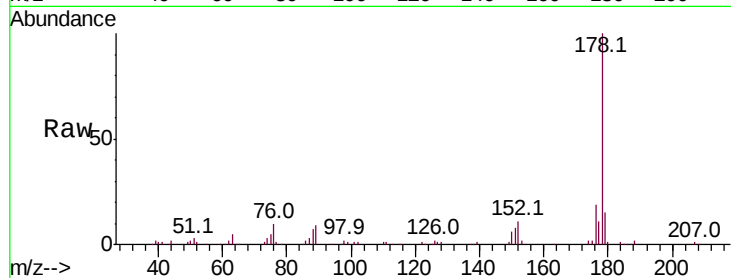
Tot Ion:178 Resp: 136142

Ion Ratio Lower Upper

178 100

179 15.1 12.5 18.7

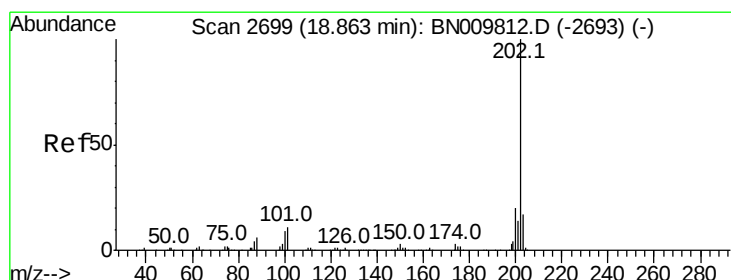
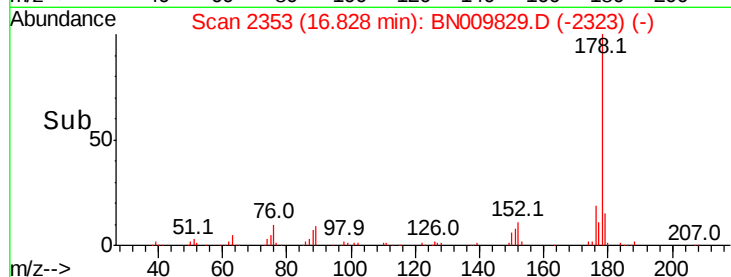
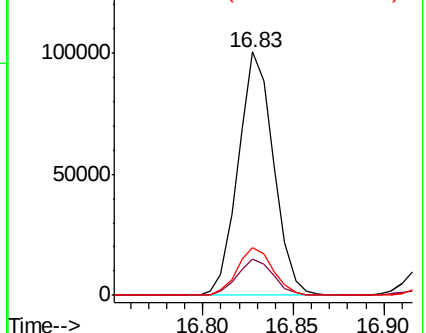
176 19.4 14.6 22.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 4.496 ng/ul

RT: 18.86 min Scan# 2698

Delta R.T. -0.02 min

Lab File: BN009829.D

Acq: 22 Feb 2020 04:39

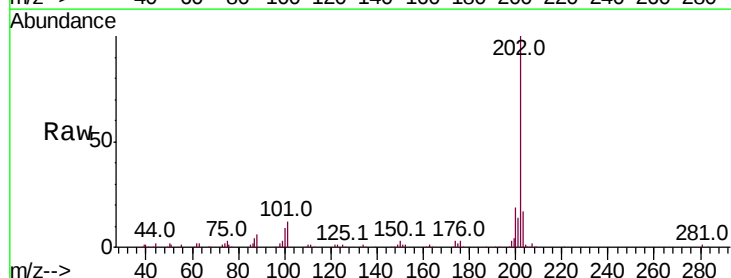
Tgt Ion:202 Resp: 193706

Ion Ratio Lower Upper

202 100

101 12.2 9.4 14.2

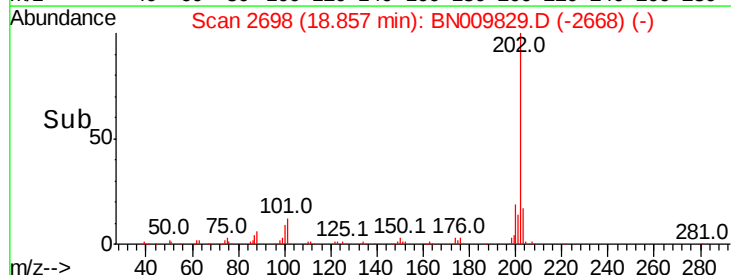
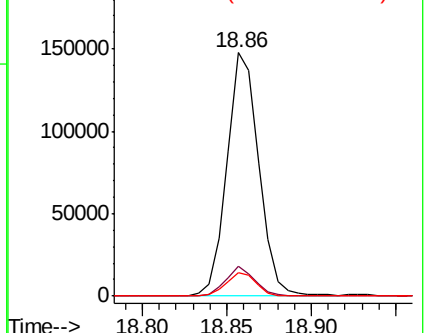
100 9.4 7.2 10.8

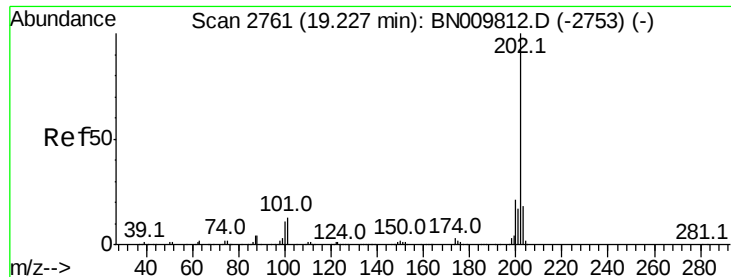


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

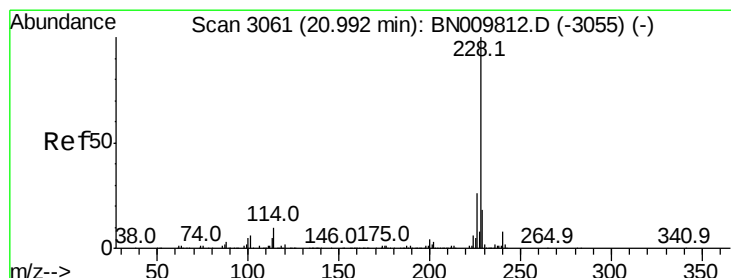
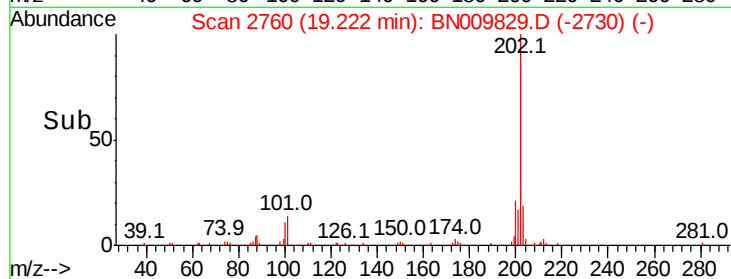
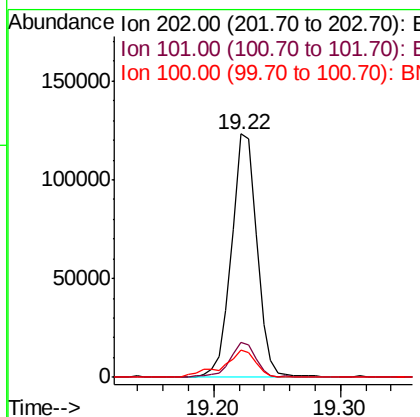
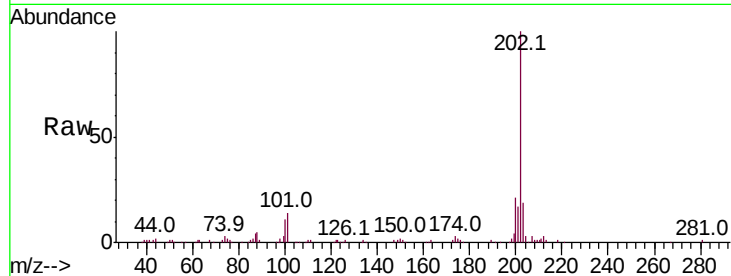




#80
Pvrene
Concen: 4.032 ng/ul
RT: 19.22 min Scan# 2760
Delta R.T. -0.02 min
Lab File: BN009829.D
Acq: 22 Feb 2020 04:39

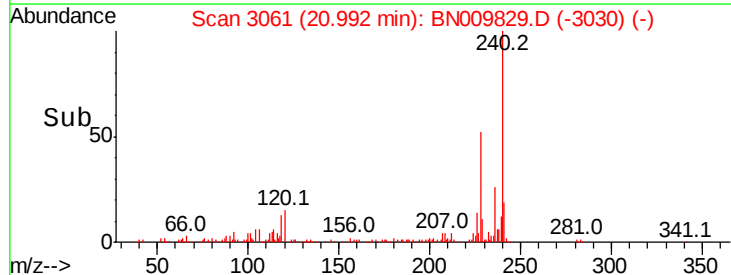
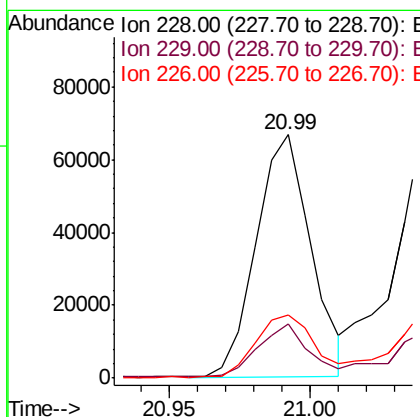
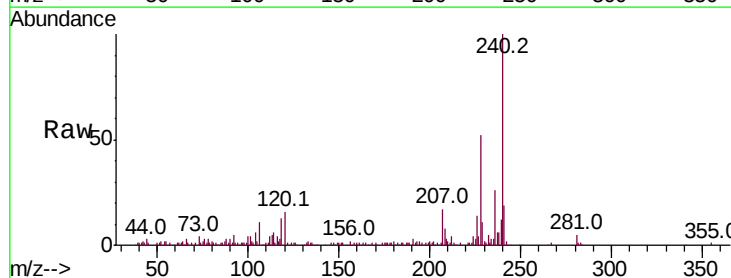
Instrument :
BNA_N
ClientSampleId :

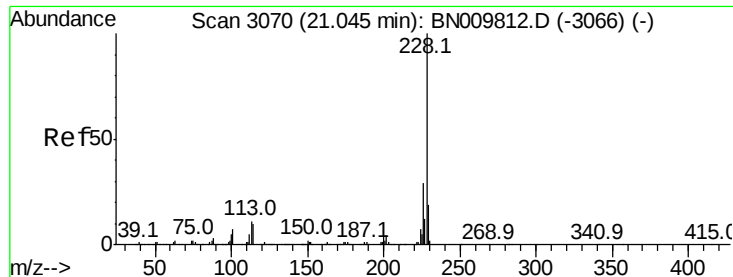
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.3	11.3	16.9
100	11.0	9.0	13.6



#83
Benzo(a)anthracene
Concen: 2.220 ng/ul
RT: 20.99 min Scan# 3061
Delta R.T. -0.02 min
Lab File: BN009829.D
Acq: 22 Feb 2020 04:39

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.0	22.4
226	26.1	21.4	32.2





#85

Chrysene

Concen: 2.430 ng/ul

RT: 21.04 min Scan# 3069

Delta R.T. -0.02 min

Lab File: BN009829.D

Acq: 22 Feb 2020 04:39

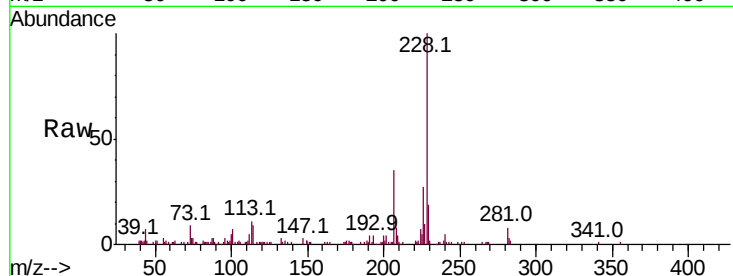
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 96510

Ion	Ratio	Lower	Upper
228	100		
226	27.1	23.4	35.2
229	18.8	15.0	22.4

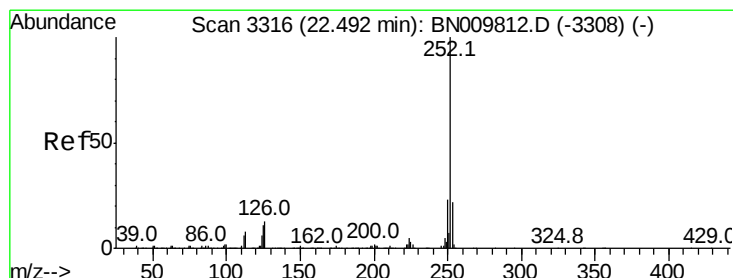
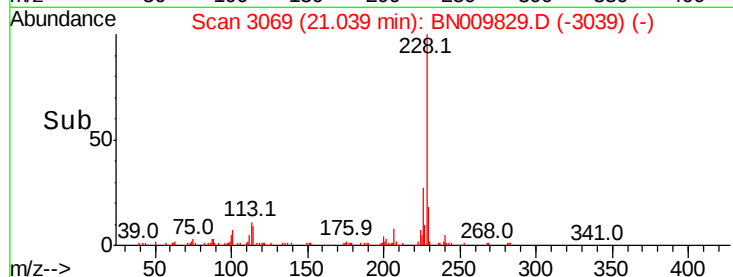
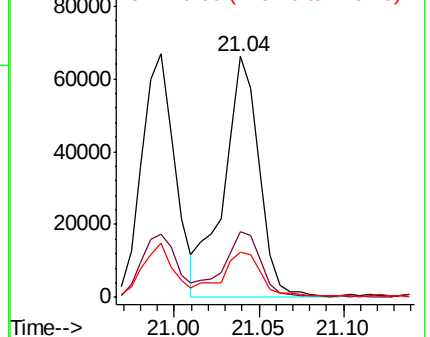


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 2.916 ng/ul

RT: 22.49 min Scan# 3316

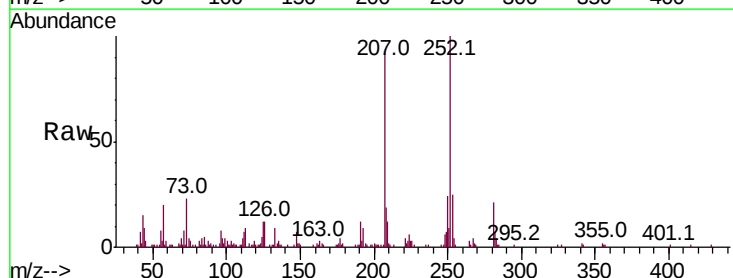
Delta R.T. -0.02 min

Lab File: BN009829.D

Acq: 22 Feb 2020 04:39

Tgt Ion:252 Resp: 122751

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.0	25.4
125	11.6	8.0	12.0

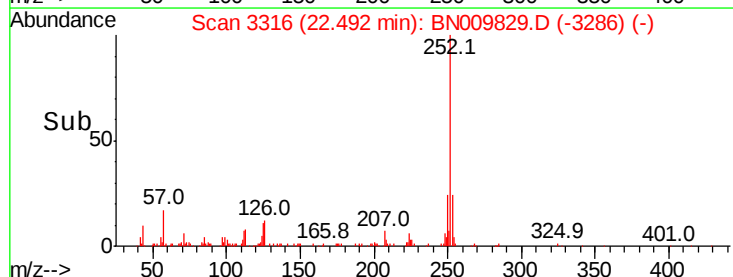
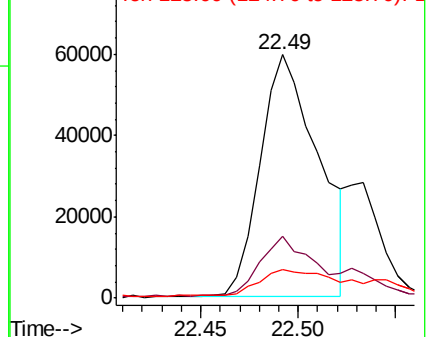


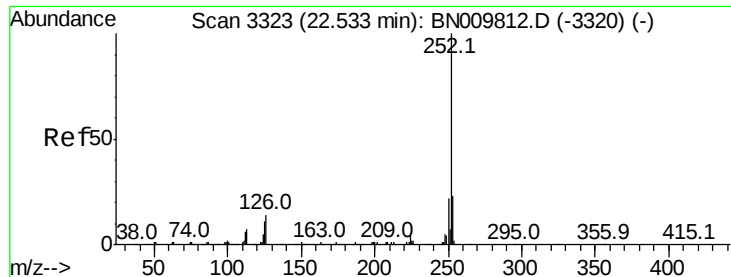
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.080 ng/ul

RT: 22.49 min Scan# 3316

Delta R.T. -0.06 min

Lab File: BN009829.D

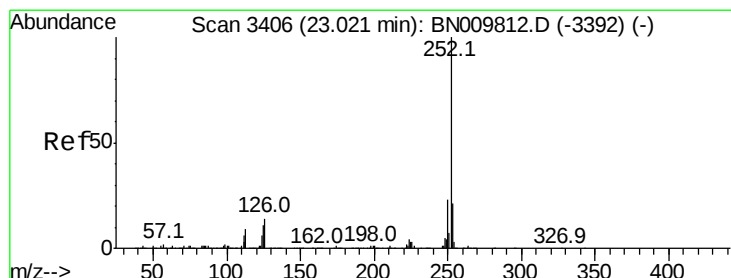
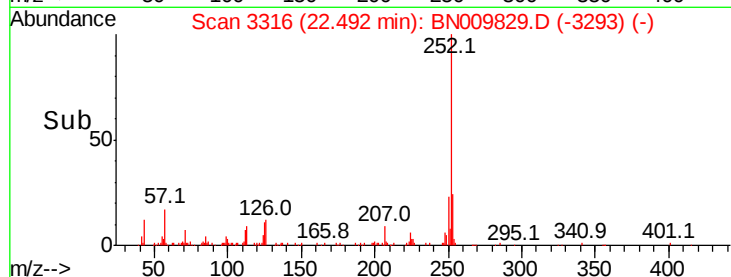
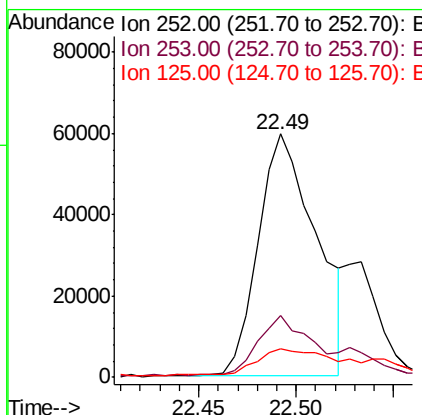
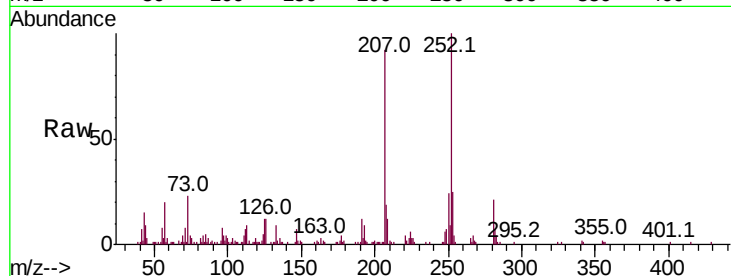
Acq: 22 Feb 2020 04:39

Instrument :

BNA_N

ClientSampleId :

Tot Ion:252	Resp:	122751
Ion Ratio	Lower	Upper
252	100	
253	25.3	18.0 27.0
125	11.6	8.2 12.2



#91

Benzo(a)pyrene

Concen: 2.049 ng/ul

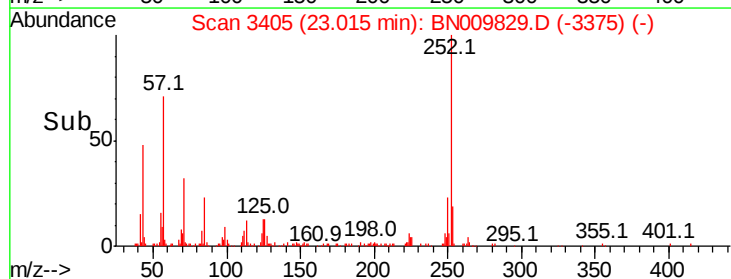
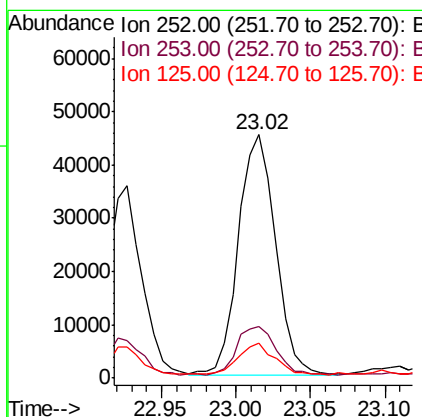
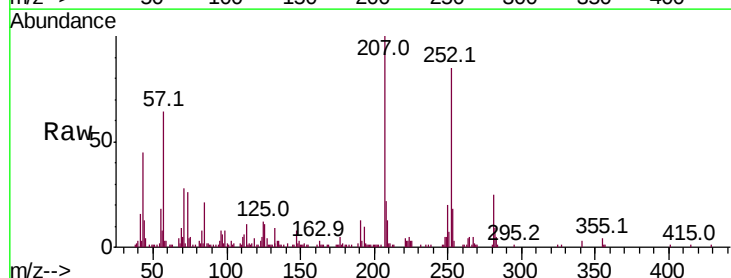
RT: 23.02 min Scan# 3405

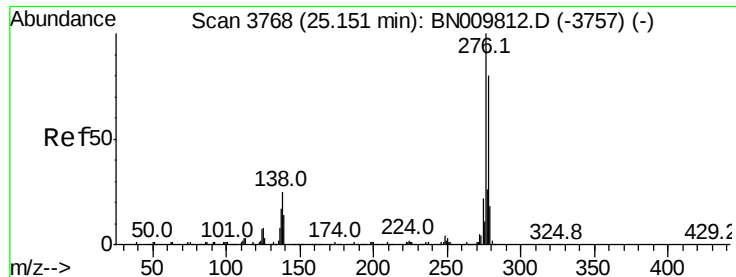
Delta R.T. -0.02 min

Lab File: BN009829.D

Acq: 22 Feb 2020 04:39

Tgt Ion:252	Resp:	77576
Ion Ratio	Lower	Upper
252	100	
253	21.2	17.4 26.0
125	14.2	9.0 13.6#





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.212 ng/ul

RT: 25.14 min Scan# 3766

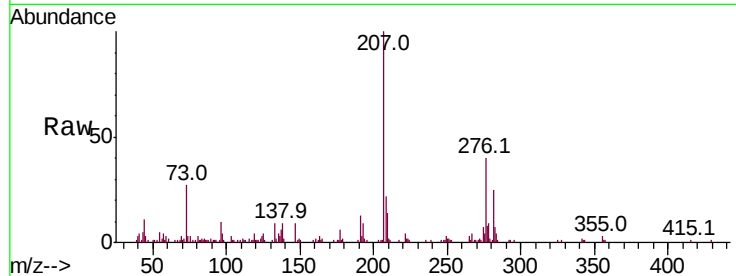
Delta R.T. -0.04 min

Lab File: BN009829.D

Acq: 22 Feb 2020 04:39

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.9	31.3
277	19.5	18.2	27.4

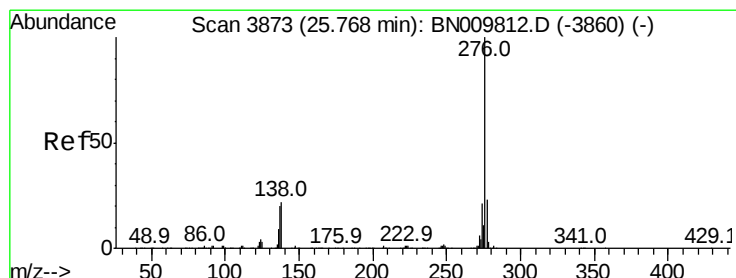
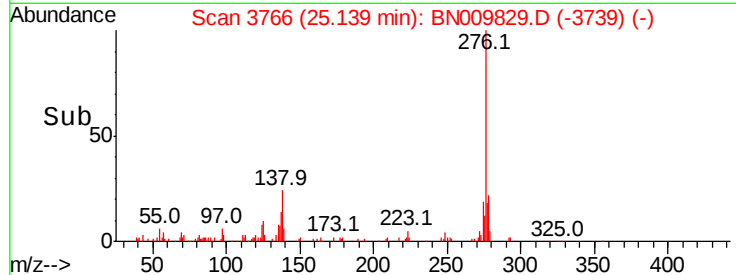
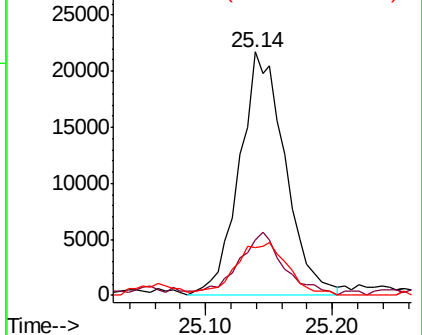


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#94

Benzo(g,h,i)perylene

Concen: 1.255 ng/ul

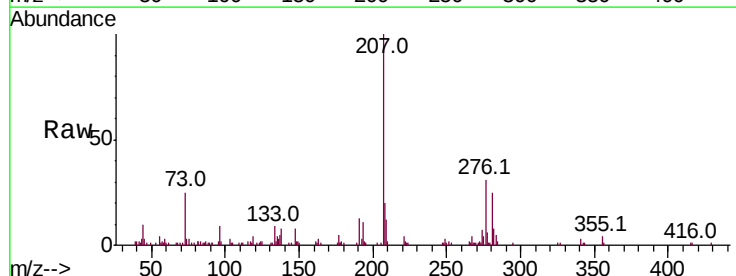
RT: 25.76 min Scan# 3872

Delta R.T. -0.04 min

Lab File: BN009829.D

Acq: 22 Feb 2020 04:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.1	17.5	26.3
277	18.8	18.1	27.1



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

